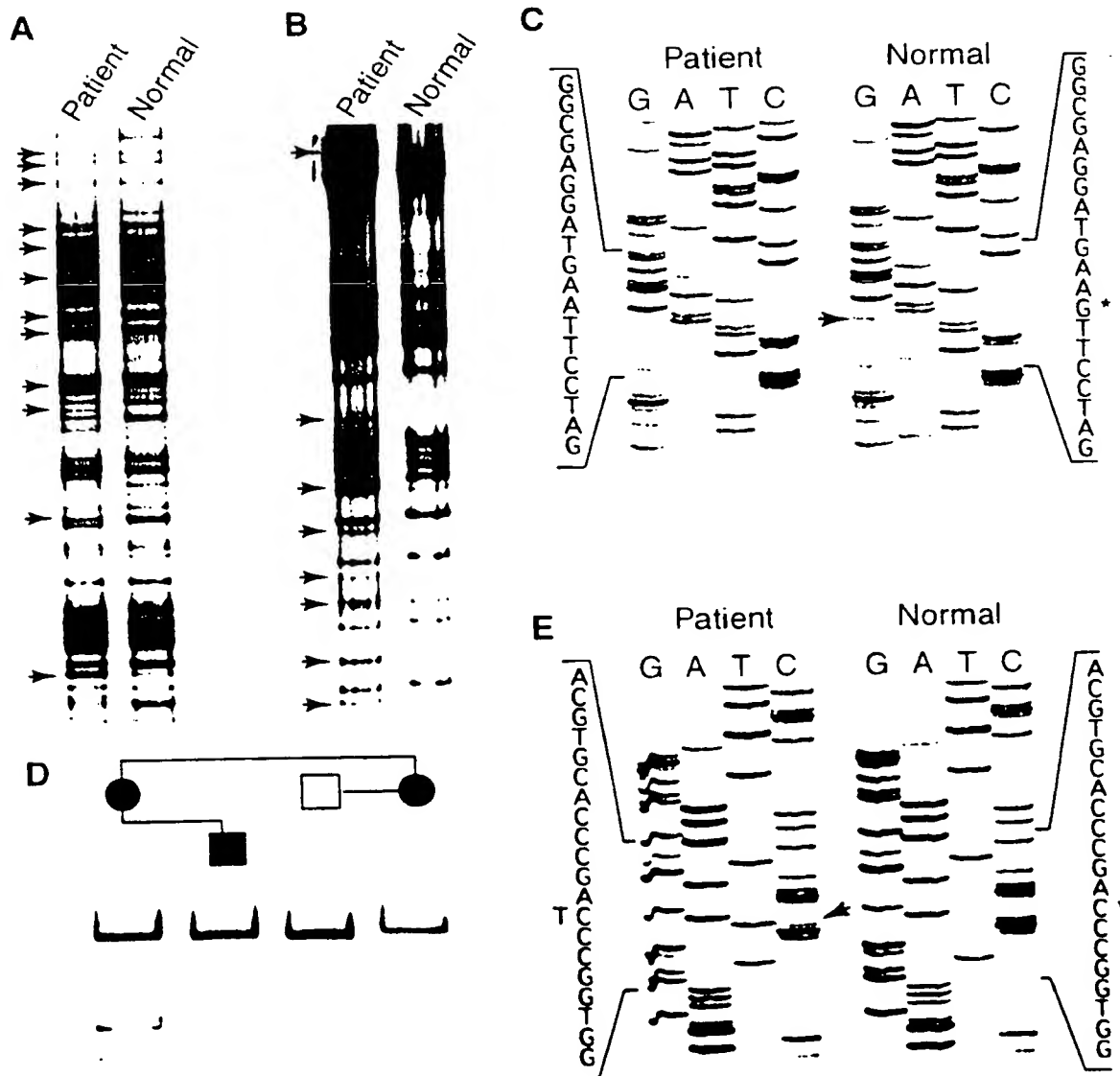


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111 ATG GGG CTG AAG GCC GCC CAG AAG ACG CTG TTC CCG CTG CGC TCC ATC GAC GAC GTG GTG 20  
M G L K A A Q K T L F P L R S I D V V  
171 CGC CTG TTT GCT GCC GAG CTG GCG CGA GAG CCG GAC CTG GTG CTG CTT TCC TTG GTG 40  
R L F A A E L G R A E P D L V T L T L T L V V  
231 CTG GGC TTC GTG GAG CAT TTT CTG GCT GTC AAC CCG GTC ATC CCT ACC AAC GTT CCC GAG 60  
L G F V E H F L A N R V I P N V P E  
291 CTC ACC TTC CAG CCC AGC CCC GCC CCC GAC CCG CCT GGC GGC CTC ACC TAC TTT CCC GTG 80  
L T F Q P S P A P D P P G G L T Y F P V  
351 GCC GAC CTG TCT ATC ATC GCC GCC CTC TAT GCC CGC TTC ACC GCC CAG ATC CGA GGC GCC 100  
A D L S I A L I A L Y A R P T A Q I R G A  
411 GTC GAC CTG TCC CTC TAT CCT CGA GAA GGG GGT GTC TCC AGC CGT GAG CTG GTG AAG AAG 120  
V D L S L Y P R E G G V S S R E L V K K  
471 GTC TCC GAT GTG ATA TGG AAC AGC CTC AGC CGC TCC TAC TTC AAG GAT CGG GCC CAC ATC 140  
V S D I W N S L A S R S Y P K D R A H I  
531 CAG TCC CTC TTC AGC TTC ATC ACA GGC ACC AAA TTG GAC AGC TCC GGT GTG GCC TTT GCT 160  
Q S L F I T G L D A L D S G V A F A  
591 GTG GTT GGG GCC TGC CAG GCC CTG GGT CTC CGG GAT GTC CAC CTC GCC TCT TCT GAG GAT 180  
V V G A C Q A L G G T R D V H L A L S E D  
651 CAT GCC TGG GTA GTG TTT GGG CCC AAT GGG GAG CAG ACA GCT GAG GTC ACC TGG CAC GGC 200  
H A V V F T N Q T A E V T W H G  
711 AAG GGC AAC GAG GAC CGC AGG GGC CAG ACA GTC AAT GCC GGT GTG GCT GAG CGG AGC TGG 220  
K G N E D R R G Q T V N A G V A E R S W  
771 CTG TAC CTG AAA GGA TCA TAC ATG CGC TGT GAC CGC AAG ATG GAG GTG GCG TTC ATG GTG 240  
L Y L K G S A M R C D R K H E V A P M V  
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C A I N P S I D L H T D S L E L Q L Q  
891 CAG AAG CTG CTC TGG CTG CTC TAT GAC CTG GGA CAT CTG GAA AGG TAC CCC ATG GCC TTA 280  
Q K L L W L L Y D L G H L E R Y P M A T A  
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G N L A D E E L G P T P G R P D P L T  
1011 CTC TAC CAC AAG GGC ATT GCC TCA GCC AAG ACC TAC TAT CGG GAT GAA CAC ATC TAC CCC 320  
L Y H K G I A S A K T Y Y R D E H I Y P  
1071 TAC ATG TAC CTG GCT GGC TAC CAC TGT CGC AAC CGC AAT GTG CGG GAA GCC CTG CAG GCC 340  
Y M Y L A G Y L R N V R E A C Q A  
1131 TGG GCG GAC ACG GCC ACT GTC ATC CAG GAC TAC AAC TAC TGC CGG GAA GAC GAG GAG ATC 360  
W A D T A T V I Q D V N Y C R E D E E I  
1191 TAC AAG GAG TTC TTT GAA GTA GCC AAT GAT GTC ATC CCC AAC CTG CTG AAG GCA GCA GCC 380  
Y K G E F P E V A N D V I P N L T L K E A A  
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S L L E A G G G E R P G G Q S O G T Q S Q  
1311 GGT TCC GCC CTC CAG GAC CCT GAG TGC TTC GCC CAC CTG CTG CGA TTC TAC GAG GGC ATC 420  
G S A L Q D P E C F A H L L R T Y D G I  
1371 TGC AAA TGG GAG GAG GGC AGT CCC ACG CCT P V L CTG CAC GTG GGC TGG GCC ACC TTT CTT 440  
C K W E G E S P T V L H V G W A T F L  
1431 CTG CAG TCC CTA GGC CGT TTT GAG GGA CAG GTG CGG CAG AAG GTG CGC ATA GTG AGC CGA 460  
V Q S L G R F E Q V R Q K V R I V S R  
1491 GAG GCC GAG GCG GGC GGC GAG CAG CCG TGG GGC GAG GAA GCC CGG GAA GGC CGG CGG 480  
E A E A E A G E P W G E A R E G G R R  
1551 CGG GGC CCA CGG CGG GAG TCC AAG CCA GAG GAG CCC CCG CCG CCC AAG AAG CCA GCA CTG 500  
R G P R E S K P E P P P P P K K P A C L  
1611 GAC AAG GCC CTG GGC ACC GGC CAG GGT GCA GTG TCA GGA CCC CCC CGG AAG CCT CCT GGG 520  
D K G L G T G Q G A V S G P P R K P P G  
1671 ACT GTC GCT GGC ACA GCC CGA GGC CCT GAA GGT GGC AGC ACG GCT CAG GTG CCA CCA CCC 540  
T V A G A R G C F E G G S T A Q V P A P  
1731 GCA GCA TCA CCA CCG CCG GAG GGT CCA GTG CTC ACT TTC CAG ACT GAG AAG ATG AAG GGC 560  
A A S P P E G P V L T T F Q S E K M K G  
1791 ATG AAG GAG CTG CTG GTG ACC AAG ATC AAC TCG AGC GCC ATC AAG CTG CAA CTC ACG 580  
M K E L L V A T K I N S S A I K Q L T  
1851 GCA CAG TCG CAA CTG CAG ATG AAG AAG CAG AAA GTG TCC ACC CCT AGT GAC TAC ACT CTG 600  
A Q S Q V M K K Q K V S T P S D Y T L  
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S F L K R Q R K G L  
1979 GGCTCCGCCTTAGTCCCCCAACTCTGAGCCCATGTTCTGCCCCAGCCCCAAGGGGACAGGCCTCACCTCTACCCCAAAC  
2058 CCTAGGTTCCCGGTCGCCGAGTACAGTCTGTATCAAAACCCACGATTTCCTCCAGCTCAGAACCCAGGGCTCTGCCCCAGT  
2137 CGTTAGAAATATAGGTCTCTCTCTCCAGAAATCCCGAGCGGCCAATGGAAACCTCACGCTGGGTCTTAATTACCACTCTT  
2216 AAAGGCCCATAGCCCTAGAAACCCCAAGCTCTCTCGGAAACCGCTCACCTAGAGCCAGACCAACGTTACTCAGGGCTCCT  
2295 CCCAGCTCTGAGGAGCTGAGGTTTCAACCTTAACCCAGGGGAGCAGAGGTCCCACTCCAGCCCCGGGGAGCCCTAGGACC  
2374 ACTCAGCCCTAGGAGTATATTCCGACCTCAGAAATCCATATCTTGGGAATCCCAAGCTCTCTGCCCAAAATAACTTC  
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2532 CCTATGAGCATCTGAGCCCGCCCTCTCTCTGACGAACTGGCCCGGATCAGAGGAGGTTAGGACTGGGTGACAAAG  
2611 GGGAACTCCAGAGGTCAGGCCCATCTCGGAGCATCCCGGAGGAAATCTGACAGGGGTTAGGACTGGGTGACAAAG  
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2769 AAAA

FIGURE 1

Figure 2



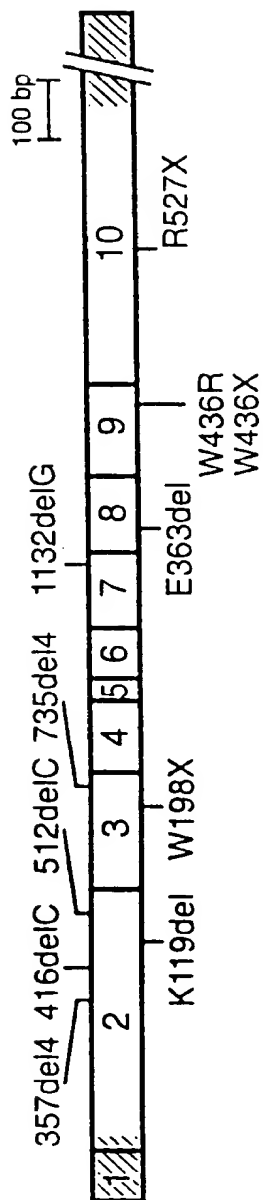


FIGURE 3

**Figure 4**  
Mutations in the MEN1 gene

Exon	Mutation	Nature of Mutation
Exon 2 from ATG	P12L (CCG/CTG)	Missense
	L22R (CTG/CGG)	Missense
	313delC	Frameshift
	357del4	Frameshift
	418delC	Frameshift
	K119del	In-frame deletion
	K120X (AAG/TAG)	Nonsense
	512delC	Frameshift
	H139D (CAG/GAC)	Missense
	H139Y (CAG/CAT)	Missense
	F144V (TTC/GTC)	Missense
	E26K (GAG->AAG)	Missense
	R108X (CGA->TGA)*	Nonsense
	134del13	Frameshift
	358del4	Frameshift
	358del25	Frameshift
	I86F (ATC->TTC)	Missense
	483delAT	Frameshift
	W126G (TGG->GGG)	Missense
	545insT	Frameshift
Exon 3	A160P (GCT/CCT)	Missense
	A176P (GCC/CCC)	Missense
	W183X (TGG/TAG)	Nonsense
	W198X (TGG/TGA)	Nonsense
	713delG	Frameshift
	735del4	Frameshift
	764+3 (A->G)	Frameshift
	F159C (TTT->TGT)	Missense
Exon 4	A242V (GCC/GTC)	Missense
	Q280X (CAG/TAG)	Nonsense
	875insA	Frameshift
Exon 5	W285X (TGG/TAG)	Nonsense
	934+1 (G->A)	Frameshift
Exon 6	L286P (CTA/CCA)	Missense
Exon 7	S308X (TCA/TAA)	Nonsense
	A309P (GCC/CCC)	Missense
	Y312X (TAC/TAA)	Nonsense
	Y323X (TAC/TAG)	Nonsense
	1132delG	Frameshift
	T344R (ACG/AGG)	Missense
Exon 8	E363del	In-frame deletion
	1202del2	Frameshift
	1280delG	Frameshift
	1279ins11	Frameshift
	1212del7	Frameshift
Exon 9	D418del	In-frame deletion
	W436R (TGG/CGG)	Missense
	W436X (TGG/TAG)	Nonsense
	F447S (TTT/TCT)	Missense
	D418N (GAC->AAC)	Missense
	F410L (TTC->TTA)	Missense
Exon 10 to stop	R460X (CGA/TGA)	Nonsense
	1484delB	Frameshift
	1509insGA	Frameshift
	1650delC	Frameshift
	1650insC	Frameshift
	R527X (CGA/TGA)	Nonsense
	M581T (ATG->ACG)	Missense
	1812del5	Frameshift
	1702G->C	Frameshift
	1699delA	Frameshift
	1461delG	Frameshift
	K502M (AAG->ATG)	Missense
	A535V (GCT->GTT)	Missense
	S543L (TCA->TTA)	Missense